



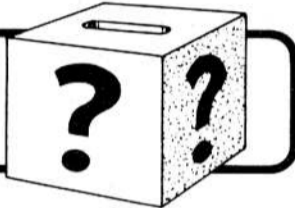
NUCLEAR DIVISION NEWS

A Newspaper for Employees of the Nuclear Division, Union Carbide Corporation

Vol. 6 - No. 7

April 3, 1975

QUESTION BOX



If you have questions on company policy, let us know. Write the Editor, **Nuclear Division News** (or telephone your question in, either to the Editor, or to your plant contact). Your name will not be used in the question, and you may be given a personal answer if you wish.

QUESTION: Why have monthly salary increases been held up since the first of the year?

ANSWER: There is quite often some delay early in the year in connection with preparation of the exempt budget and obtaining necessary approvals. Increases are now being processed except for a limited number of higher-level salaries, which require additional approvals.

QUESTION: How much money does Union Carbide get from the Energy Research and Development Administration for operating the four Nuclear Division facilities?

ANSWER: For managing the four facilities, the operating costs of which are approximately \$550 million per year, Union Carbide receives \$4.5 million per year. After home office and other non-reimbursable expenses are paid, a large part (40-50 per cent) of the remaining money is returned to the Government in the form of corporate income tax.

QUESTION: Why has management added another mile to the credibility gap between itself and the employees, namely the "job posting" program? I know for a fact that the program is just a front at HNL. Some jobs are never posted (and they don't

qualify under the exceptions that were listed in the announcement), and others are posted as a sham and not to aid in the upward mobility of the employees in lower paying jobs. I know of two specific instances (job titles, library assistant and laboratory aide), where the jobs were posted, interviews were conducted, and in one case an employee was told that she qualified for the job and would probably get it, but people from outside the laboratory were hired for the positions. Half the problem is the people in Personnel who are put in charge of programs to judge the qualifications of others, but are not themselves qualified.

ANSWER: Since the Job Opportunity System was placed in effect on July 1, 1974, 76 job openings have been advertised. Results to date have been as follows:

23 openings - no bidders
17 openings filled thru system

(Continued on page 10)

Payroll savings stressed in bond drive in division

"There are basically several good reasons for buying U.S. Bonds," Roger F. Hibbs, President of the Nuclear Division, told campaign leaders last week in the latest efforts to up the purchase of bonds through payroll deductions.

"First, it's patriotic," he said, "It gives our government operating money for day-to-day business, helping finance such costs as the operation of our own plants.

"Second, it makes savings automatic, giving us some form of forced savings discipline we otherwise wouldn't have.

"And third, looking at it with a hard-nosed attitude, there are several tax benefits to be gained in buying bonds.

Presently, some 51 percent of Nuclear Division employees are purchasing U.S. Savings Bond through payroll deductions. This does not include those buying through that section of the Savings Plan that provides that option. Last year, more than 2.2 million dollars were spent on bonds in the four installations.

The current campaign, set to open April 14, is being headed by John D. Nicol, Fabrication and Maintenance Division at the Oak Ridge Gaseous Diffusion Plant. Other drive chairmen include Roy D. Williams, Y-12's Metal Preparation Division; Lee C. Porter, Engineering Division at ORGDP; Roger E. Perry, Associate Director's staff at Holifield National Laboratory; and David D. Barclay, Finance and Budget at the Paducah Gaseous Diffusion Plant.

William E. Williams Jr., General Staff's Industrial Relations Division, will coordinate the efforts of the campaign.

Savings Bonds are back in style, according to a recent article in the **New York Times**. "Series E Bonds, sold in denominations of \$25 to \$10,000, are bought at a discount and earn an average of six percent interest a year when held to maturity in five years. The interest may be deferred from taxable income until the bond is cashed in," points out the **Times**.

(Continued on page 10)

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BOND DRIVE LEADERS — Bond drive chairmen map plans for the 1975 campaign to enroll more employees to purchase savings bonds through payroll deductions in the Nuclear Division's four installations. From left, seated, are Roy D. Williams, Y-12 Plant; Lee C. Porter, Oak Ridge Gaseous Diffusion Plant; John D. Nicol, ORGDP, who is heading up the campaign in the four plants; and Roger E. Perry, Holifield National Laboratory. Standing are Roger F. Hibbs, President of the Nuclear Division; and David D. Barclay, Paducah Gaseous Diffusion Plant.

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Division Deaths

Clifford White Sr., in the Barrier Manufacturing Division at the Oak Ridge Gaseous Diffusion Plant, died March 20 in a Knoxville hospital.



Mr. White

A native of Elbertson County, Ga., Mr. White came to ORGDP to work in early 1946. He served with the U.S. Army in the South Pacific during World War II.

Survivors include his wife, Marguerite White, Alcoa; daughters, Angel and Betty White; a son, Clifford Jr.; brothers, Paul White, in the Laboratory's Biology Division; Leroy White, in the Laboratory's Health Division; Eldry, Charles and John White; his father, Mance White; sisters, Fannie Harper and Eunice Wilkerson, and three grandchildren.

Funeral services were held at the Rest Haven Baptist Church, with the Rev. Perry Johnson officiating. Burial followed in the Sherwood Memorial Gardens.

PATENTS

Granted

To Thomas O. Tiffany, Spokane, Wash. (formerly HNL); W. Wilson Pitt Jr., James C. Mailen and Wayne F. Johnson, HNL, for "Multiple-Sample Roto Assembly for Blood Fraction Preparation."

To Norman G. Anderson, Charleston, S.C., formerly HNL, for "Method for Concentrating Macromolecules."

To Norman G. Anderson, Charleston, S.C., formerly HNL, for "Method for Rapid Identification of Serological Factors."



MINI-CLEANUP COMMITTEE — Due to the success of last year's Cleanup Committee, this year's group will have an easier time of it at the Oak Ridge Gaseous Diffusion Plant. So, they are calling themselves the Mini-Cleanup Committee. Seated from left are Fay B. Duncan, Harold E. Alexander, Gary L. Calvert, George H. Winebarger, John R. Blair and Sam B. Woodfin. Standing are Larry A. Studinger, chairman; Michael J. Ellis, Robert L. Phillips, Wiley R. Tuck, Hal B. Davidson, Carl L. Johnson, Bill I. Wyatt and John M. Kennerly. Not pictured are Nat N. Landay, Dave L. Stansberry, Herb E. Trammell and Arrints Alexander.

NUCLEAR DIVISION NEWS

UNION
CARBIDE

Published twice-monthly for
The Employees Of
UNION CARBIDE CORPORATION
NUCLEAR DIVISION

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'Operation Pride' set as theme for ORGDP cleanup

"Operation Pride" it's called at the Oak Ridge Gaseous Diffusion Plant. Spring Clean-Up has been set for April 14-21.

Larry A. Studinger, Fabrication and Maintenance Superintendent, is heading up the Mini Cleanup - Maxi Pride campaign this Spring to tidy up the place.

Studinger points out that due to the outstanding job performed last year only a **mini** cleanup effort is needed, but with **maxi** pride.

Joining Studinger in the cleanup will be Arrints Alexander, Operations; Harold E. Alexander, Finance, Materials and Services; John R. Blair, Barrier Manufacturing; Gary L. Calvert, Engineering; Hal B. Davidson, Separation Systems; Fay B. Duncan, Operations Analysis and Long Range Planning; Michael J. Ellis, Environmental Protection; Carl L. Johnson, Security and Plant Protection; John M. Kennerly, Separation Systems; Nat N. Landay, Fabrication and Maintenance; Robert S. Resseguie, General Accounting; Dave L. Stansberry, Finance, Materials and Services; Herb E. Trammell, Gaseous Diffusion Development; Sam B. Woodfin, Laboratory; and Bill I. Wyatt, Computer Sciences.

Publicity chairman for the drive is Robert L. Phillips, Employee Relations; and Wiley R. Tuck and George H. Winebarger, both from Fabrication and Maintenance, are co-

chairmen for the signs and posters to be used.

Each divisional chairman has been asked to select others from his division to assist in inspecting his own particular area.

Operation Pride lists the following objectives:

P - for putting things in place.

R - for renewing the paint.

I - for inspection of hazards.

D - for discarding unused materials.

E - for enjoying safe practice.

Studinger told the committee at a preliminary meeting last week, "Let's all pitch in. It's easy when you combine all our efforts."

"If you don't have a skin like mine, watch that sun!"



American Cancer Society



POLISH VISITORS — James S. Johnson (center), director of the Water Research Program at Holifield National Laboratory, is shown with three Polish visitors interested in learning more about reprocessing wastes from the textile industry through the use of membranes, including the dynamic membrane developed at the Laboratory. From left are: Wiewlaw Zymon from the Technical University of Krakow, and Mieczyslaw Metler and Krzysztof Turschmid from the Laboratory of the Institute of Meteorology and Water Economy in Warsaw. Thomas N. Sargent (far right) of the Environmental Protection Agency, who monitors an EPA-funded program on textile wastes in Poland, hosted the group during their stay in this country.

Savings Plan-Personal Investment Account

Recent unit values:

	Fixed Income Fund	UCC Stock	Equity Investment Fund
November 74	10.98	42.37	6.58
December 74	11.04	40.30	6.43
January 75	11.12	41.81	6.88
February 75	11.20	46.90	7.38

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 7.75% for 1974 and 8.55% for 1975. Union Carbide stock values are the average cost of stock purchases during the month plus brokerage charges. Equity Investment Fund unit values represent the month-end market value of securities held by the Fund. Dividing the total value by the number of units in the fund establishes the month's unit value - and the price at which new units are added that month.

Industrial seminar on waste processes set for April 15

An industrial information seminar, "Processes for Fuel and By-Product Recovery During Liquid Waste Treatment," will be held April 15 at Holifield National Laboratory.

Two basic unit processes for liquid waste treatment, which were developed by scientists at the Laboratory, will be covered in the seminar.

The processes are:

1. Dynamically formed membranes for both ultrafiltration and hyperfiltration. They are formed by circulating solutions containing organic or inorganic polyelectrolytes or other appropriate substances past porous

supports. These membranes have potential advantages over present commercial film and hollow-fiber types in production rates, stability over wide ranges of temperature, and options for regeneration.

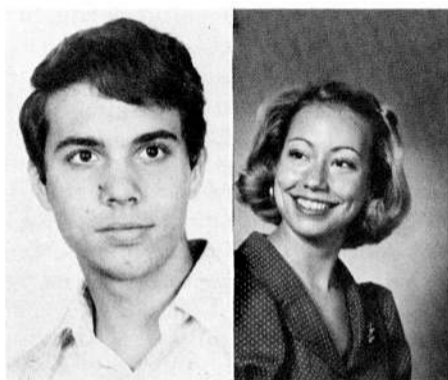
2. The ANFLOW process, an anaerobic packed-bed biological reactor process, can be used to produce fuel gas or an industrially valuable chemical such as an alcohol or an organic acid from waste streams during treatment. Waste is introduced at the base of the process unit and is contacted with process microorganisms which are attached to a packed bed similar to a distillation tower.

Both processes are currently at the bench-to-pilot level of development, and have potential industrial application. Dynamically formed membranes can be used to treat solutions contaminated with radioactivity, laundry wastes, kraft-pulping wastes and food-industry wastes. Chemicals can be recovered using this process. Treatment of wastes discharged at high temperatures for recycle of hot filtrate is promising.

The ANFLOW process can be used to treat food-industry wastes, starch wastes, film-processing wastes and domestic sewage to produce ethyl and butyl alcohols and methane. Both processes have been used to treat coal-conversion effluents, which are similar to coking liquor in composition.

Attendance at the seminar will be limited to 40 industrial participants. The reservation fee is \$10 per person. For additional information contact Carol Oen, extension 3-6246. The seminar is sponsored by the Nuclear Division's Industrial Cooperation Program.

Students awarded AFS scholarships



Donald

Susan

Children of two Holifield National Laboratory staff members have received American Field Service international scholarships. Susan Ziegler, daughter of Norval F. Ziegler (Physics Division), will spend a year in Kugersdorp, South Africa. Donald Ludemann, son of Carl A. Ludemann (Physics Division), will study in Bangkok, Thailand.

The American Field Service is a private, non-profit organization founded in 1914. It is based on the belief that personal relationships between individuals of different cultures foster international understanding and friendship. An AFS scholar attends school and actually becomes a member of a "family" in the country to which he or she is assigned.

The AFS also sponsors a program which enables foreign students to spend a period of time in the United States.

Susan, a senior at Oak Ridge High School, made straight A's this school year. She left for South Africa in January. Her activities at ORHS included membership in the National Honor Society, International Relations Club, and Principal's Advisory Council. She was chairman of the Environmental Affairs Committee. Following graduation, Susan plans to study medicine at Emory University.

Donald is a junior at Oak Ridge High School. He is active in the Student Council and International Relations Club. He served as one of the Oak Ridge representatives to the Model United Nations which was held at Harvard University last year, and at Georgetown University this year. He was scheduled to leave for Thailand the end of March.

COMPANY Service

20 25 30

ORGDP 30 YEARS

William J. Weeks, chemical and technical maintenance department; William G. Fort, Engineering Division; Clarence V. Black, operations department; Loy H. Sipe, isotope analysis department; Anna M. Cobb, janitors department; Albert F. Griffin, cascade maintenance department; William Vest Jr., chemical and technical maintenance department; Roxie L. Brown, janitors department; Jack McKinney, utilities operations department; administration; and George W. Floyd, materials and systems development.

GENERAL STAFF 30 YEARS

Montice J. Carden, Computer Technology Center.

20 YEARS

Janette N. Gray.

Y-12 PLANT 30 YEARS

Lonnie C. Nelson, process maintenance; Spears Vavalides, Beta 4 forming; and Charles D. Maberry, program engineering.

25 YEARS

Ben W. Coward and Gordon W. Brewer.

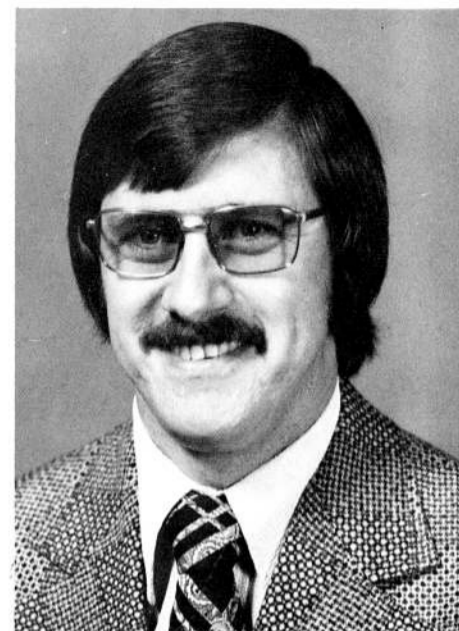
20 YEARS

Benic P. Hampton, Mary C. Wright, Elmer D. Lay and William W. Randles.

LABORATORY 30 YEARS

Henry W. Morgan, Physics; James R. Foster, Plant and Equipment; William A. Pate Jr., Isotopes; James R. Rule, Health; and Edward E. Beauchamp, Isotopes.

Richard Abbott promoted to audit supervisor post



Richard R. Abbott

Richard R. Abbott, a staff auditor in the Nuclear Division, has been promoted to the position of audit supervisor. Abbott succeeds Christine S. Travaglini who recently was named Manager of Auditing.

A native of Richlands, Va., Abbott was graduated from East Tennessee State University with a bachelor of science degree in engineering in 1969. He has been a staff auditor with the Nuclear Division since that time.

He was a legal and administrative specialist with the U.S. Air Force from 1963 to 1966, and also did some work as a public accountant while in college.

Abbott is married to the former Martha Owens, Grundy, Va., and they have three children. They live at Rt. 18, Northampton Blvd., Knoxville.

WORDS OF WISDOM

If it were true that we profit by our mistakes, most of us would be wealthier than we are today.



B SHIFT EMERGENCY SQUAD — The shift operations group is continually training members of the plant emergency squads at the Oak Ridge Gaseous Diffusion Plant. Trained to handle all types of emergencies, the B Shift squad recently completed training in cardio-pulmonary resuscitation and emergency cardiac care. Captain W.R. Johnson conducted the training according to the American Heart Association and certificates were issued to all squad members.

4th in series

Social security payments add to payroll's overhead

This is the fourth in a series of articles designed to show employees the cost of so-called "fringe benefits" - both those already in the payroll dollar and those for which additional money must be spent. In prior articles we have discussed costs associated with vacations, with holidays, and with other time paid for but not worked.

This article deals with social security payments. These payments, which are required by law, are made by both the employer and the employee. The cost involved is probably better understood than any other since deductions are made regularly from each employee's pay check. An amount equal to the deduction is made on each employee's behalf by the employer.

Those employees who earned up to \$13,200 in 1974 paid 5.85% of their earnings, the maximum being \$771.10. An individual who made more than \$13,200 in 1974 would have paid the maximum amount, \$772.20; but, of course, the percentage this represents of his total pay would have been less as his rate of pay increased. You can determine your own percentage by dividing the amount of social security you paid by your annual earnings and then multiplying the result by 100 to convert it to percentage.

The amount being paid into social security has been rising at a fairly rapid rate during recent years and the benefits have been increased from time to time. A history of social security taxes from 1937 to the present time is shown elsewhere in this issue.

For the Nuclear Division as a whole, the average payment in 1974 was 5% of the annual payroll, or 5 cents per payroll dollar.

Let's look again at the Benefits Cost Box Score we have been building:

BENEFITS COST BOX SCORE

Vacations	7.4%
Holidays & other time	6.7%
Social security	5.0%

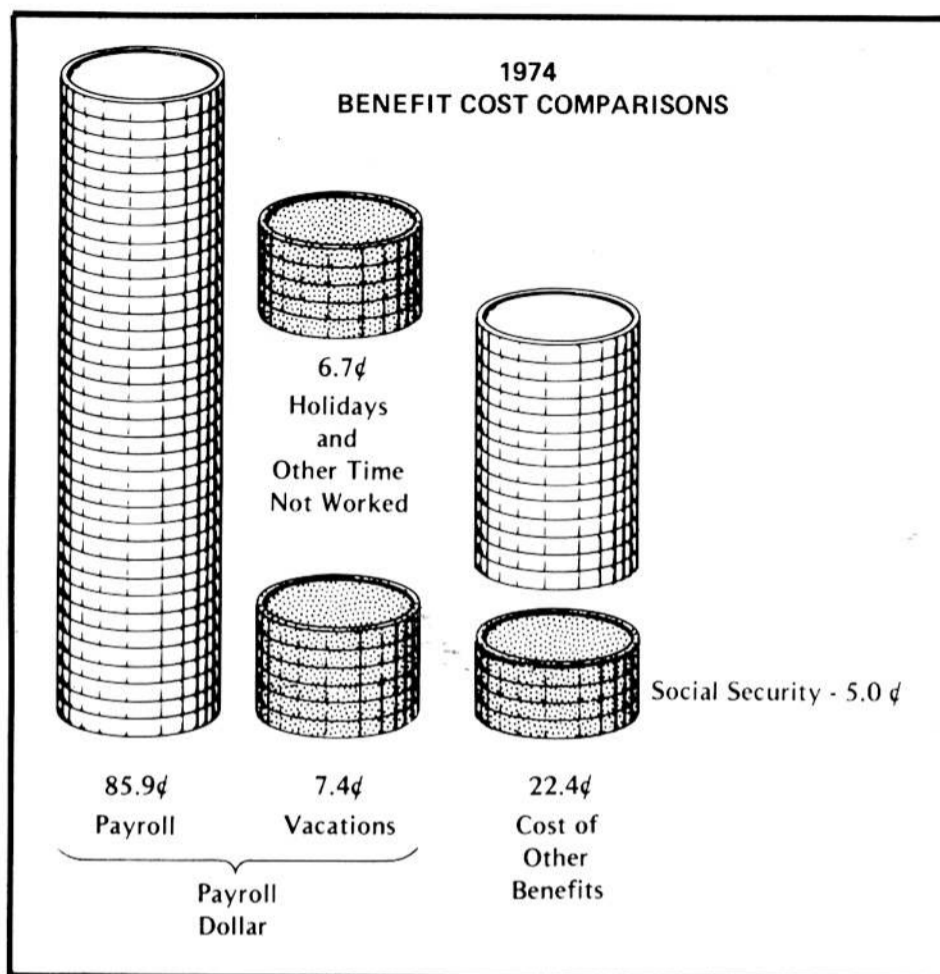
BONDS NEED SS NUMBERS

Anyone's name listed on a U.S. Savings Bond, must be accompanied by a social security number... even minor children who are named co-owners or beneficiaries. The payroll deduction campaign chairman in your division will have applications for social security numbers, which are filed directly with the Social Security Administration. You then furnish them the numbers for your co-owners or beneficiaries.

HISTORY OF SOCIAL SECURITY TAXES

Year	Rate	Tax Base	Maximum Annual Tax Employer-Employee Each
1937 - 49	1.0	\$3,000	30.00
1950	1.5	3,000	45.00
1951 - 53	1.5	3,600	54.00
1954	2.0	3,600	72.00
1955 - 56	2.0	4,200	84.00
1957 - 58	2.25	4,200	94.00
1959	3.5	4,800	120.00
1960 - 61	4.0	4,800	144.00
1962	4.125	4,800	150.00
1963 - 65	3.625	4,800	174.00
1966	4.2	6,600	277.20
1967	4.4	6,600	290.40
1968	4.4	7,800	343.20
1969 - 70	4.8	7,800	374.40
1971	5.2	7,800	405.60
1972	5.2	9,000	468.00
1973	5.85	10,800	631.80
1974	5.85	13,200	772.20
1975 - 77	5.85	14,100	824.85
1978 - 80	6.05		
1981 - 85	6.30		
1986 - 2010	6.45		
2011 and after	7.45		

NOTE: Since January 1, 1975, the tax base rises automatically to keep in step with the Consumer Price Index.



Cutting activities for public on ERDA-Oak Ridge reservation

Selected areas of the ERDA - Oak Ridge reservation will be opened Saturday, April 5, to permit the public to cut firewood for personal use.

Cutting will be by permit only, and only in designated areas. There will be a \$5 permit fee for each individual or family to defray costs of personnel needed to monitor the activity. Permits will be good for the day of issuance only.

The cutting activities will be administered by the Nuclear Division's Forest Management Program, under the supervision of Dennis M. Bradburn, Environmental Sciences Division at Holifield National Laboratory.

Interested parties should meet at the old K-25 Credit Union Building on the Turnpike, west end of Oak Ridge no later than 9 a.m. on April 5. No children under the age of 12 will be permitted access to the cutting area due to safety regulations.

Members of the forest management staff will accompany groups to the cutting areas. Road access will be provided for private vehicles to remove firewood from the reservation after it has been cut.

These cutting activities will provide local citizens with an abundant source of firewood. The purpose of the program is to provide firewood for personal use, not as a commercial activity.



SCHOLARSHIP WORKERS — Several Union Carbide employees are active in the Peter J. Bynam Scholarship activities in Oak Ridge. Sitting from left are Wilbert Minter, Y-12; Lynn Carpenter, ORGDP; and Charlie Washington, Y-12. Standing are Donald A. Carpenter, Y-12; and Robert H. Kernohan, Holifield National Laboratory.

Illinois Commission on Atomic Energy visits Oak Ridge

The Illinois Commission on Atomic Energy visited Oak Ridge March 26-27 for a series of briefings and tours on atomic energy's role in supplying part of the nation's electrical energy demands.

The two-day program was arranged at the request of the Illinois group by the Energy Research and Development Administration's Oak Ridge Operations in cooperation with the Nuclear Division.

Illinois State Representative Samuel C. Maragos is Chairman of the Commission which consists of both representatives of the State's General Assembly and citizens representing industry, labor, science and technology, medicine and health, the insurance industry and the legal profession of the State of Illinois. A total of 13 persons represented the committee during its Oak Ridge visit.

The Commission was established last year, principally to investigate the economic, social, health and technological impacts of atomic energy resources and related facilities. The committee reports the results of its findings to the Governor and General Assembly of the State.

The program began at the American Museum of Atomic Energy with a general briefing on Oak Ridge Operations, and presentations on the enrichment of uranium for providing nuclear power plant fuel, and development of the breeder reactor as a source of electrical energy in the future. Principal speakers were Charles A. Keller, Assistant Manager for Operations, Oak Ridge Operations; Ewin Kiser, Assistant Manager for Development and Planning, ORO; and Floyd L. Culler, Deputy Director of Holifield National Laboratory.

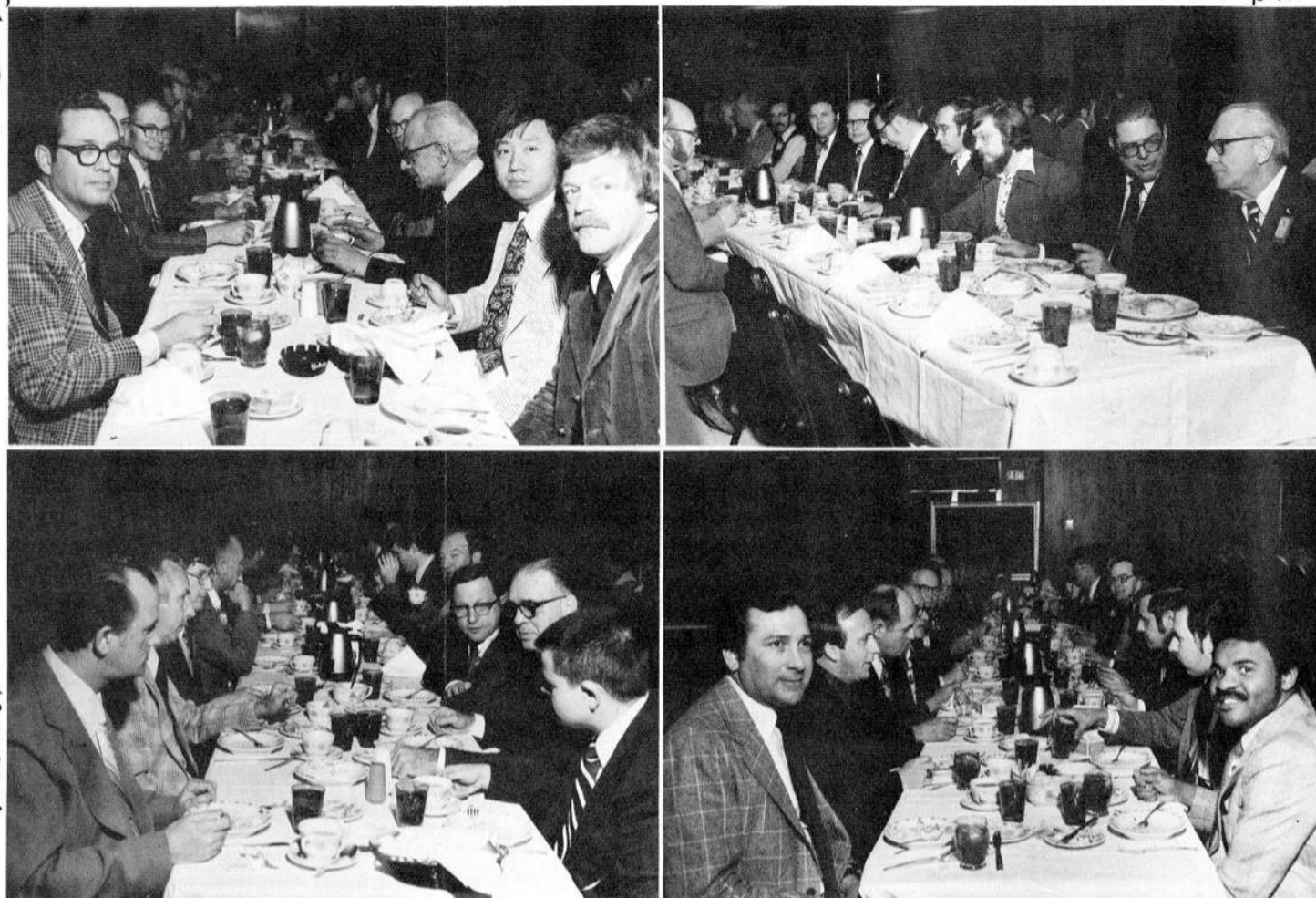
The ICAE visited the Oak Ridge Gaseous Diffusion Plant and the reactor pressure vessel research and fusion research programs of HNL.

The group returned to HNL for continuation of briefings on a number of subjects including, energy needs, conservation, the nuclear option, and environmental and health impacts of energy generation. A tour of HNL facilities included the fuel reprocessing pilot plant, the High Flux Isotope Reactor and Transuranium Processing Plant.

Snuff it Out!

The rise in male cancer deaths is due largely to the increasing rate of lung cancer - 14 times greater than 40 years ago. Do yourself a favor - drop the cigarette habit, says the American Cancer Society.

Division inventors honored at luncheon



INVENTORS HONORED — The first annual Patent Award Recipients Luncheon was held March 26 to honor Nuclear Division inventors who executed patent assignments to the Energy Research and Development Administration in 1974. One hundred and fourteen employees were invited to the luncheon: 55 from the Laboratory, 30 from the Oak Ridge Y-12 Plant, 22 from the Oak Ridge Gaseous Diffusion Plant and seven from the Paducah Gaseous Diffusion Plant. Thomas R. Miller, Vice President for Corporate Technology, New Business Research and Development and Commercial Department, was guest speaker. Miller, top photo, far right, is shown with Roger Hibbs, Nuclear Division President, inventors and senior staff.

WANTED



LABORATORY

RIDE from North Purdue-Rutgers Avenue area, Oak Ridge, to East Portal, 8 or 8:15 a.m. shift. Ashraf Atta, plant phone 3-1270.

Y-12 PLANT

RIDE or will join car pool from West Mall section, Knoxville, to North or Central Portal, straight day. Charles Richardson, plant phone 3-5260, home phone Knoxville 690-2177.

JOIN CAR POOL from Meadowview Garden area, Harriman, to Central Portal, H Shift (rotation). M.G. Hedgecoth, plant phone 3-5938; home phone, Harriman 882-9684.

ORGDP

RIDE to Portal 4 from Emory Road, Oak Ridge Highway, Karns area. 8 - 4:30 shift. Extension 3-3555, home phone, Knoxville 690-1740.

Andrews, Crowe, Jackson, Redmond promoted at ORGDP

Four promotions have been announced at the Oak Ridge Gaseous Diffusion Plant.

David M. Andrews has been named a supervisory trainee in the Fabrication and Maintenance Division. A native of Knoxville, he was an electrician for the City of Knoxville before joining Union Carbide in 1973.

Andrews lives with his wife, the former Ruthan Bowie, at 3128 Sunset Avenue, Knoxville. They have one son.

Gene E. Crowe has been promoted to a barrier foreman in Barrier Manufacturing. Born in Alcoa, he was formerly a traffic assistant at Holifield National Laboratory before transferring to ORGDP seven years ago. He has a B.S. degree in business administration from The University of Tennessee, and is doing graduate work there now.

Mrs. Crowe is the former Rosemary Burchfield. They have a son and two daughters, and live at Route 6, Forest Hills Road, Maryville.

Herman M. Jackson has been named a supervisory trainee in the Fabrication and Maintenance Division. He had been with Union Carbide 23 years, eight of which he spent in HNL. He is a native of Coalfield.

His wife is the former Lottie Justice, and they live presently in Coalfield. The Jacksons have two daughters and a son.



Andrews

Crowe



Jackson

Redmond

Kenneth R. Redmond is a maintenance foreman in Fabrication and Maintenance. A native of Karns, he has been at ORGDP eight years. He attended the Massey Technical Institute and the Tennessee Institute of Electronics.

He lives at Route 4, Valley Lane, Clinton.

NUCLEAR DIVISION SAFETY SCOREBOARD

Time worked without a lost-time accident through March 26:

Paducah	9 Days	62,000 Man-Hours
ORGDP	78 Days	1,706,000 Man-Hours
Laboratory	110 Days	1,821,000 Man-Hours
Y-12 Plant	22 Days	697,000 Man-Hours

Calendar of EVENTS

TECHNICAL

April 4

Lecture series on frontiers of nuclear breeding: "The Clinch River Breeder Reactor." Team from Westinghouse. 1:30 - 4:30 p.m. Central Auditorium.

Analytical Group, East Tennessee Section, American Chemical Society. J.C. White, Laboratory's Analytical Chemistry Division. Oak Ridge Holiday Inn, 6:30 p.m., dinner meeting.

April 17

Computer Sciences Division Seminar: "Data Base Subsetting - RECON, ORLOOK," S.L. Yount and V.A. Singletary. Building 4500N, East Auditorium, 10 a.m.

April 8

ORAU medical seminar. J.P. Breillatt, "HNL Man Program." 12

Shhhh... cool it ; machines at work

If you want to machine a surface really smoothly, pipe down.

This is the advice given by mechanical engineer Harold E. Brooks of the Lawrence Livermore (Calif.) Laboratory.

Brooks said he and other measurement experts at the Laboratory, which is operated for the U.S. Energy Research and Development Administration by the University of California, have found that loud voices, slammed drawers, and similar airborne noises can cause serious flaws in ultra high precision machining jobs.

An air-mounted diamond cutting machine, in an area with standard shop noise levels, routinely cuts surfaces with a cutting error of about three millionths of an inch. With the aim of reducing this movement to one-half millionth of an inch or less, the experts conducted tests of a machined surface with a highly sensitive analyzer. They discovered that a loud voice or banging noise caused movements of three to six millionths of an inch.

They then tried cutting actual surfaces with all vibration screened out except carefully regulated sounds. The results showed clearly that common airborne noises can cause greater cutting errors than can be tolerated in an ultra high precision job, Brooks said. The Laboratory is now sound-proofing one machine room in which such high precision jobs can be accomplished.

RETIRED FIRE CAPTAIN

Floyd L. Remine Sr., who retired from Y-12's Fire Department, died March 19 in a Knoxville nursing home. A native of Knoxville, he worked in Y-12 from 1944, retiring as a fire captain in 1961. He is survived by his wife, Cara Huffaker Remine; a son, Floyd L. Remine Jr.; daughters, Faye Prater and Verna Jackson; four grandchildren and three great-grandchildren. Funeral services were held in Knoxville, with burial in the Seven Island Cemetery.

noon, Main Conference Room, Medical Division, East Vance Road.

April 9

Chemical Technology Division seminar. Royes Salmon, "Coal Conversion." 3 p.m., Central Auditorium.

April 10

Lecture series on frontiers of nuclear breeding, Floyd L. Culler Jr., "The Urgency for Breeders - Report of a Study Made Recently at AEC/ERDA Headquarters." 3 p.m. Central Auditorium.

April 14

Computer Sciences Division seminar: A.A. Brooks, "Special Analysis - SADS, TRACE." 10 a.m. Building 4500N, East Auditorium.

April 17

Laboratory seminar: James A. Barker, "Career Development and Related Programs at Holifield National Laboratory." 3 p.m., Central Auditorium.

COMMUNITY

April 5

Joint Oak Ridge Symphony-Oak Ridge Chorus concert. Haydn's "Lord Nelson Mass;" Haydn's "Trumpet Concerto," with Joseph Walthal, Atlanta Symphony Orchestra; and Schubert's "Unfinished Symphony." Oak Ridge High School. 8:15 p.m.

Division Retirees

Among the employees retiring from Holifield National Laboratory April 1 were Arthur W. Alexander, Claude R. Croft and Edward M. Kittrell.

Alexander was a senior engineering draftsman in the General Engineering organization. He joined the Nuclear Division staff in 1956. Alexander and his wife, Maxine, live at 307 North Chilhowee Drive, Knoxville.



Croft

Kittrell

Claude R. Croft took normal retirement with almost 29 years of company service credit. He was a chemist in the Isotopes Division. Croft has six grown children and eight grandchildren. He lives in Oak Ridge.

Edward Kittrell was a welding technologist in the Plant and Equipment Division. He came to work at the Laboratory in 1950. Kittrell and his wife, Pearl, reside at 103 Virginia Street, Kingston.

Management records group plans seminar in Gatlinburg in April

The East Tennessee Chapter of the American Records Management is holding a seminar in Gatlinburg later this month. It is presented for industries, small business, bankers, medical records personnel, computer sciences personnel, secretaries, librarians, and others who, during the course of their business, must provide a ready system of information with regard to good records keeping.

The state-wide seminar is set for April 24 and 25 at the River Terrace Motel, Gatlinburg. Approximately 200 registrants are expected in the resort city for the seminar, sponsored by the Nuclear Division, the Tennessee Valley Authority and the U.S. Energy Research and Development Administration.

Ronald E. Brewer, assistant archivist with the TVA, Chattanooga, will speak on "The Need of a Records Management System."

Charles R. Levenhagan, supervisor of the personnel development and training department at the Oak Ridge Gaseous Diffusion Plant, will talk on "Training and Development of Management and Records Personnel."

Wilbert D. Minter, records analyst, Y-12 Plant, and president of ET-ARMA, will talk on "Creating Professionalism."

James N. Ramsey, attorney for Anderson County, will speak on "The Legal Aspects of Keeping Records."

Loren Rademacher, acting chief of the records management branch of the Office of the Controller, ERDA, Germantown, Md., will address the group on "Developing a Records Management System."

Jerry M. Stewart, assistant director of the state records manage, South Carolina Department of Archives and History, and national vice president of ARMA, will speak on "The Archives and Records Centers."

Lamar S. Stringer, district manager of the Ohio Valley District, Louisville, will address the seminar on "The Microfilm System for You."

The American Records Management Association was founded in 1956 as a non-profit organization dedicated to the advancement of records and information management. Officers in the local chapter include Minter, president; Jack D. Lindsey, Y-12, vice president; Les A. Myers, Holifield National Laboratory, secretary; H.J. Brown, ORGDP, treasurer; and directors: James G. McArthur, Y-12; Floyd F. Beets, OR-ERDA; N.T. Bray, OR-NL; and Robert L. Green, ORGDP.

Judie A. Bridges, Y-12, is chairman for the seminar and registration is made through her.

Patents Granted

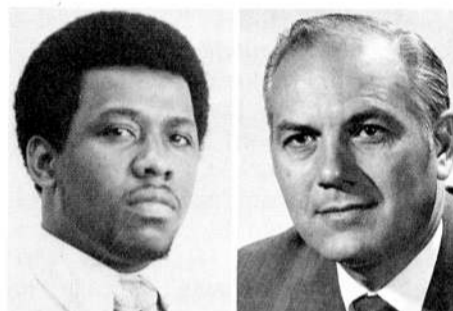
To Harry S. Corey III, Y-12 for "Optical Method and System for Measuring Surface Finish."

To Arthur O. Roberts and Grover C. Bell, Y-12, for "Fixture for Supporting a Workpiece in a Machine Tool."



Brewer

Levenhagan



Minter

Rademacher



Ramsey

Stewart



Stringer

COMPANY Service

20 25 30

LABORATORY

25 YEARS

H. Fritz McDuffie Jr., John P. Miser, Albert G. Grindell, Baird F. Bottenfield, Robert L. Moore and Edward W. Chandler.

Jack C. Ogle, Clyde H. Thompson, William L. Carter, James W. Woods, and Jasper M. Brown.

20 YEARS

Neva P. Hair, William F. Bunch, Raymond R. Dickinson, Claud W. Clark Jr., Donald L. Aubuchon, Charley F. Mounger and Hobard Keating.

Petty stealing costs more than it's worth

Larry Q. was a good employee, conscientious to a fine point, and his attendance record was near perfect. Yet, he had one flaw in his character. Whenever he saw anything on the job he needed, he simply took it home. The list grew - facial tissue, pencils, small tools, and even soap from the lounges. Finally, he decided he needed a typewriter at home, and there was one in his section not being used. So he hauled it to the parking lot and transferred it to his personal car. Then he got caught.

The Standard Practice Procedure is quite explicit about theft. Deliberate destruction or misuse of Government or Company property, stealing and dishonesty, and other such acts are grounds for immediate termination.

After his dismissal, the authorities moved in to investigate Larry Q's larceny. He got a year's probation, but could have had to serve time. In lots of ways he was lucky. But look at his record now . . . seven years of loyal company service down the drain, the cancellation of his security clearance which bars him from work at other governmental facilities where it is needed, and worse than all, his good name ruined **perhaps for life!**

There are fences, badges, guards, periodic vehicle and package searches at all four of the Nuclear Division facilities, but these are not enough to stop petty thievery. A renewed program is called for, emphasizing that we work with property that does not belong to us, that one of our prime responsibilities is the care and protection of that property.

There were two serious cases this past year in the Nuclear Division which resulted in both loss of job and federal convictions.

Many an employee in any of the four installations has experienced the frustration of going to get a needed tool only to find it was missing.

Missing materials should be brought to the attention of your immediate supervisor so that steps may be taken to either find the materials, or begin steps to replace it. Known theft should be reported also.

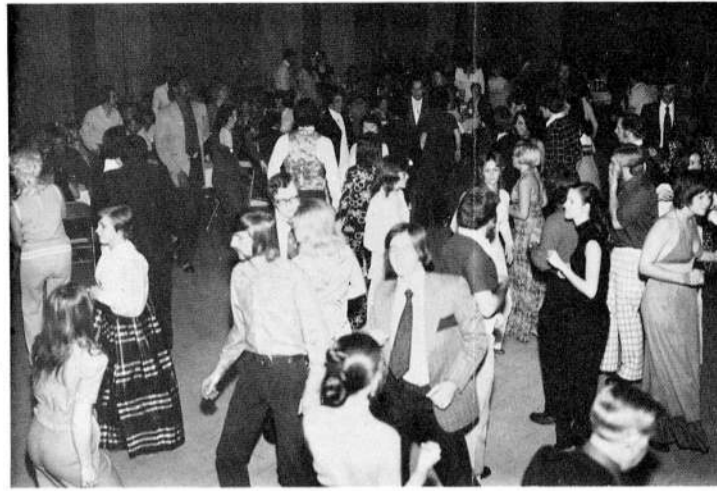
The U.S. Code is as explicit as company rules . . . 10 years and \$10,000 in fines!

So, you can see misappropriating property or materials belonging to the government can lead to serious trouble. Dishonesty with time, materials, and equipment can lead to deadly consequences. Think about it.

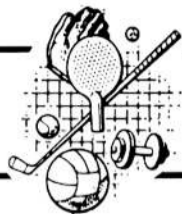
VALENTINE DANCE



More than 500 Paducah employees and guests got an early jump on Spring, with a Valentine Dance at the Jaycee Civic Center. Hearts, cupids and arrows predominated the displays. Dancing was to the music of "The Wolfman and the Pack," which eliminated some of the older crowd from the floor. Nevertheless they enjoyed sitting out part of the festivities.



RECREATIONOTES



DISNEYWORLD — SIX FLAGS OVER GEORGIA TICKETS

The Recreation Department has a limited number of discount tickets to Disneyworld and Six Flags Over Georgia. The department asks that only employees who are definitely planning trips in those directions apply for discount cards. They are issued in the employee's name, and are non-transferrable. Tickets must be picked up 30 days prior to their intended use.

Discount tickets, and additional information, may be obtained from the Recreation Department, extension 3-5833.

Recreation has posters, folders and pamphlets from almost all of the 50 states and foreign ports-of-call, too. You might like to stop by and browse, Building 9711-5, in the basement of the Cafeteria. Or give them a call, and they'll send you a folder to where you want to go.

BOWLING TOURNAMENT

Tillie Plaza, ORGDP, won both handicap and scratch honors in the February Bowling Tournament. She capped all events honors in the mixed bowling, and her name was inadvertently omitted from winners in the last issue of Nuclear Division News.

ORNL BOWLING

The Ten Pins are a mere half-point in front of the ORAU team in standings in the A League. The Termites' L. Waters rolled a 646 handicap series recently, while ORAU's Carlton took singles' honors, rolling a 237.

The C League sees the Damagers, a mere five points ahead of the Knuckleheads, as the Remkeys breathe close by in third place. Bob Lampton's hot rolling made news recently - singles of 207, 211, 202 ... for a 620 scratch score! Lew Byrd earned a triplicate patch the same night rolling three in a row to the score of 157.

The ORNL Ladies' League still has the Pickups in first place, only now they are tied there with the Bowling Aces ... both five points out in front of the Mousechasers. Ruth Slusher rolled a 220/259 game recently and her 659 handicap series was high. Jane Forni posted a 553 scratch series too!

The Oops team dominates the Carbide Family Mixed League still, two points ahead of Team No. 1.

VOLLEYBALL LEAGUE

The Jokers, Computes and Diggers stand high in their respective leagues, as volleyball action will grind to a halt shortly.

League standings follow:

NUCLEAR LEAGUE

Team	W	L
Jokers	30	3
Electric Bananas	31	5
Rad-Fizz	24	9
Pogo's	24	15
Anti-Quarks	14	22
Bawlers	9	24
Maxwell Demons	6	24

CARBON LEAGUE

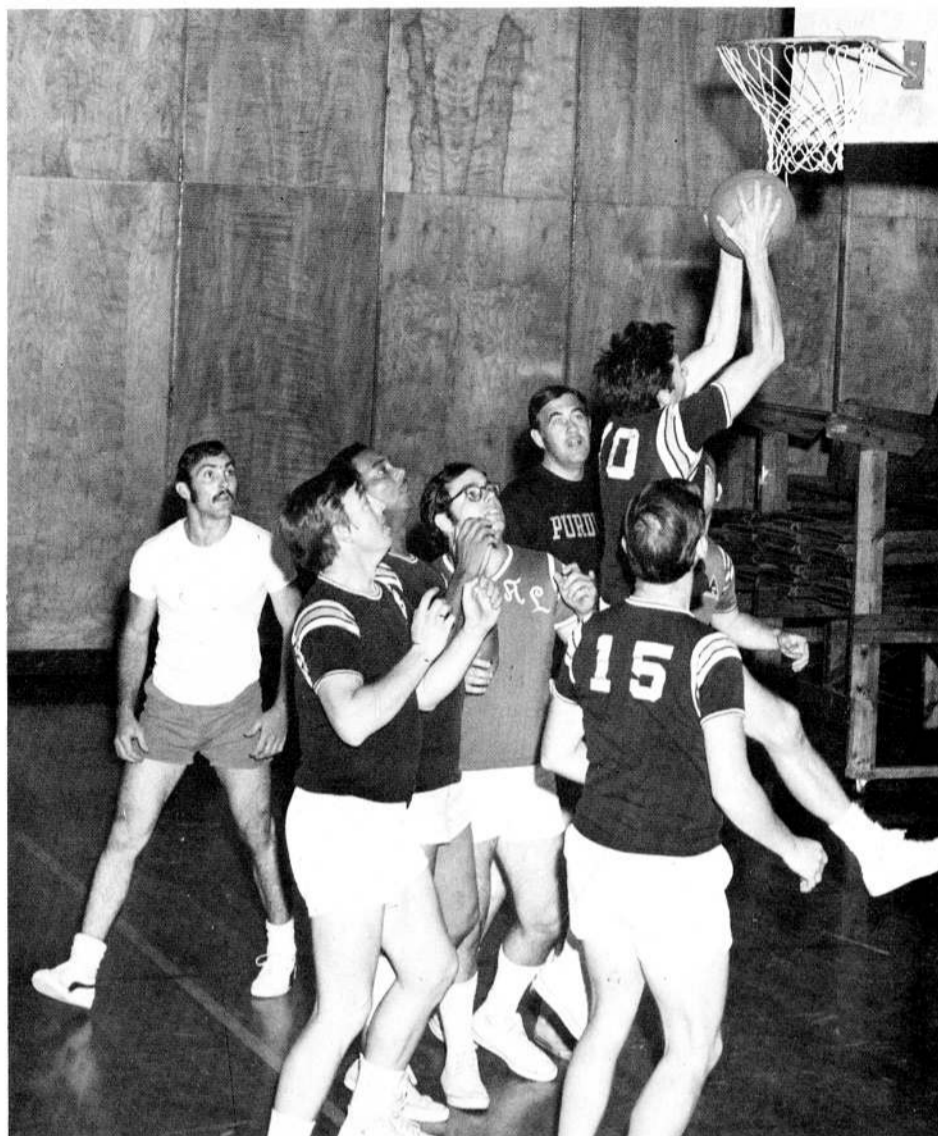
Computes	26	4
Artie's Army	31	5
The Group	19	14
M & C's	18	15
Soulistics	17	16
Bombers	14	22
Adam Smashers	7	26

ATOMIC LEAGUE

Diggers	39	3
Taxi Squad	31	8
Quarks	23	16
The Pubs	9	27
Rejects	9	27
Old Men	3	33

PRESIDENTIAL SPORTS AWARDS

Two additional Nuclear Division athletes have been added to the growing list of recipients of Presidential Sports Awards. Kendall L. Brady, ORGDP; and Harry S. Raley, Y-12 Plant, took awards in jogging.



BASKETBALLERS WIND DOWN ACTION — Nuclear Division basketball players wound down their action recently, as the two leagues faced a tournament play-off.

ALL CARBIDE BASKETBALL

The Retreads, who finished third in the Nuclear Basketball League, marched straight through the recently held tournament. They downed the Gunners, the Rodent House Gang, and took on the APHD's, who won first place in the league.

Final league standings:

NUCLEAR LEAGUE

Team	W	L
APHD's	11	1
Rodent House Gang	10	2
Retreads	9	2
Just-For-Fun	8	3
SDOGFU	5	6
Al's Pals	5	6
The Gunners	5	6
Shifters	4	7
Isomets	4	7
TAT	3	8
Friends	2	9
Tired Old Men	1	10

The GBU's, who were in a three-way tie for second place in the Atomic League, downed league champions, The Has Beens, in final action in the Atomic tournament. They downed the 970's, the Raiders and the Allstar Bombers on their way to the finals.

Final league standings:

ATOMIC LEAGUE

Team	W	L
Has Beens	9	1
Testers	8	2
Allstar Bombers	8	2
G. B. U.'s	8	2
Raiders	5	5
The Long Shots	5	5
Soul Children	3	7
Lab Protection	3	7
The 970	3	7
Blackmen	2	8

ORGDP BOWLING

Helen Hobson did some fancy bowling in the ORGDP Women's League recently, to cop honors for the night. Her single of 209/244 was high, and her series of 505/610 was high also. The Uptowner's continue their tight grip on first place in league action.

The All Stars keep a tight rein on first place in the Tuesday League, also. Sewell Brown cast some mean rolls recently, posting a single of 244/253, series of 657/684!

The Planners lead the Wednesday League, a mere point ahead of the Mix-Ups. Charlie Williams took highs in singles recently, rolling a 261 handicap game; and Karl Rapp took handicap honors with a 662 series count.

Y-12 BOWLING

The Friskies have clinched the last half of the Y-12 Mixed Bowling League and will face the Rollers in a roll-off next week. Alice Forseman raced through action recently, rolling a 263 handicap game, a 677 series!

The Smelters and Tigers have tied it all up as the Classic League goes down to the wire. Harold Zang's 268 scratch games continues as high single leader, and Bill Ladd's 699 scratch series is not likely to get erased as the lead in series running.

Gerry Doyle, DLM Used Cars, did some hot bowling recently in the C League putting a single of 254/270 on the cards. The Rounders hold a three-point lead in the latest standings.

WORDS OF WISDOM

Be careful what you say. Everytime you open your mouth, you let people look at your mind.

Tee-Off Time Application for April 26

(Check Appropriate Plant)

☐ ORGDP — Dead Horse Lake

☐ Y-12 — SOUTHWEST POINT

☐ LABORATORY — WHITTLE SPRINGS

Check

LEADER

Phone

Bldg.

Time Preferred

COMPLETE AND RETURN TO YOUR RECREATION OFFICE

Entries must be received prior to drawing on April 23, 2 p.m.

ORGDP—Building K1001—C-Wing—MS 122

Y-12—Building 9711-5

ORNL—Building 2518

Tee-off times for all tournaments will be drawn on Wednesdays prior to each Saturday's tournament. Golfers are responsible for reserving their own carts by contacting the pro shop following drawing for tee-off times.

Reye's Syndrome

(Editor's Note: Dr. Lincoln alternates his regular column with "The Medicine Chest," where he answers questions from employees concerning their health in general. Questions are handled in strict confidence, as they are handled in our Question Box. Just address your question to "Medicine Chest," NUCLEAR DIVISION NEWS, Building 9704-2, Stop 20, or call the news editor in your plant, and give him your question on the telephone.)

By T. A. Lincoln, M.D.

Although concern about influenza usually fades when spring comes, parents need to be alerted about a dangerous complication of flu called Reye's syndrome (pronounced like the bread, rye). Some day it may strike one of your children and if and when it does, you need to recognize the early symptoms and take immediate action.

In 1963, Dr. R.D.K. Reye, at the Royal Alexandra Hospital for Children in Sydney, Australia, described the characteristics of this



disorder in an article in *Lancet*. He and his associates had studied 21 cases of serious complications following flu-like illnesses in children which had been reported in the medical literature or had occurred in Australia since 1951. Only four had survived. Since his article, hundreds of additional cases have been reported and a major outbreak occurred in the winter of 1973-74. Although the precise mechanism of the complication is still unknown, its characteristics are now well-established and several methods of treatment have been tried.

Mostly young boys

Usually patients are children up to mid-adolescence, but typically they are around 10 and more commonly boys. They have a mild case of influenza, viral upper respiratory infection or chickenpox. They get better and often return to school, only to get sick again in about five to six days. The most common new symptom is persistent vomiting which is quickly followed by fatigue, listlessness and apathy, which are much more severe than anyone would expect just from the vomiting alone. High fever characteristically does not recur.

During the next one to two days, usually after the vomiting ceases, patients rapidly get worse, developing mental confusion and irritability. Frequently they become agitated and combative and extremely difficult to manage. They will not recognize members of their family and may develop convulsions and coma.

40-50% will die

After admission to the hospital, the treatment has to be aggressive and continuous if survival can even be hoped for. About 40 to 50 percent of children will die, regardless of what is done.

In the entire USA, from December, 1973, to June 30, 1974, 349 cases which fitted Reye's strict criteria were reported to the Center for Disease Control in Atlanta. Regardless of how one defines the complication, it is obvious that it is not exceedingly rare. Whether it is increasing in frequency or just being recognized and reported more often is uncertain. Regardless, it emphasizes that influenza in a child can be a fatal illness.

Types of treatment

Treatments which have been tried include exchange transfusions, intravenous fluids and aggressive supportive care. Fatalities are usually attributed to severe swelling of the brain which impairs circulation to the cortex and causes irreversible damage. In a recent report in the *Journal of the American Medical Association*, two critically ill boys were treated by continuous monitoring of the pressure of the cerebrospinal fluid and the use of mannitol and urea to control it when it rose to dangerous levels. They were under constant physician care with respirations being controlled artificially and the electroencephalogram being almost constantly monitored. Critically ill children who survive are often the lucky recipients of heroic medical care by many specialists working continuously night and day until improvement begins. The most critical period usually is the first three to four days. If irreversible brain damage can be prevented, complete recovery is possible.

Parents of children should remember that a relapse about a week after apparent recovery from a flu-like illness can be the warning of dangerous complications. Whenever persistent vomiting or any sign of confusion, agitation or stupor occurs, parents should get their child under the care of a pediatrician as quickly as possible. It is far better to put a child into the hospital for intensive observation when in doubt than to keep at home where unskilled care may lead to disaster.

Vaccine may be recommended

Although it is too early to speculate, it is possible that the Reye syndrome may cause public health authorities to expand their recommendations for influenza vaccine to include children. No one seems to know why some children develop the complication. Cases reported have typically occurred in healthy vigorous individuals. Preventing as many cases of influenza B as possible may be the only solution.

Arnett, Holland, Robertson, Sivels, Webb, Yancey promoted

Six promotions were announced recently at the Paducah Gaseous Diffusion Plant.

Leon F. Arnett has been named an inspector in the Engineering Division. A native of Samburg, Tenn., he attended the Newbern Vocational School and is now attending Paducah Community College. He has been with Union Carbide six years.

Arnett lives at 201 Seminole, Lone Oak, with his wife, the former Janis Baltezor, and their two children.

Ruben L. Holland has been made a foreman in the Fabrication and Maintenance Division. A native of Paducah, he has been at Union Carbide more than 16 years. Prior to joining the Paducah organization, he worked with Bradshaw and Weil, Sherwin-Williams and the Illinois Central Railroad Company.

Mrs. Holland is the former Frances Johnson. They live at 715 McGuire Avenue, Paducah, and have three children.

Lennis B. Robertson has been promoted to a supervisor in process maintenance. He was born in Knoxville and attended Stair Tech.

He served in the U.S. Navy four years before joining Union Carbide in 1952.

Robertson lives at 2514 Alabama Street, Paducah. His wife is the former Velda Reynolds, and the couple has three children.

Tyrone T. Sivels has been named a senior inspector in Plant Engineering. Born in Dewaine, Ill., he attended Southern Illinois University and also Murray State College. He has been with Union Carbide 12 years.

He has served two years in the U.S. Army.

Sivels and his wife, the former Dorothy Robinson, live at 939 Cloverdale, Paducah.

James H. Webb has also been named a senior inspector in Engineering. He was born in Carlisle, Col., and spent three years in the U.S. Army.

Prior to joining Union Carbide in 1952, he was employed by the Thew Lorain Shovel Company and Ford Motor Company.

Webb and his wife, the former Helen Yates, live at Bardwell. They have two sons.

The Reye's syndrome most commonly follows Type B influenza. Type A influenza occurs in widespread epidemics, involving thousands of people in many cities. Type B influenza is more often a localized outbreak in one school system or in one community. From January to March in 1971, 39 cases of dangerous central nervous system complications following viral infections occurred in the Chicago area. Of these, only 14 met Reye's original criteria. In his cases, he found evidence of liver injury. Whether the other cases with central nervous system involvement but no liver damage were a variant of Reye's syndrome or something entirely different is unknown, but the outcome was about the same.



Arnett

Holland



Robertson

Sivels



Webb

Yancey

James M. Yancey has been promoted to a senior inspector. He is a native of Ballard County.

Yancey spent 15 years in construction before joining the Paducah organization in 1960.

He lives at La Center, with his wife, the former Betty Wagoner. They have two children.

Bloodmobile returns to area April 16, 17

The American Red Cross Bloodmobile returns to the Oak Ridge area April 16 and 17. Hours on the 16th will be from 3 until 9 p.m., and on the 17th noon until 6 p.m.

The need for whole blood increases as medical science continues its usage of this life-saving commodity at an ever increasing rate.

Total area coverage whereby all residents of the area get the blood when they need it is the big advantage of the regional program. The needs of the donors' family are also supplied, no matter where they live.

Open heart surgery, for instance, increases yearly. This type surgery requires 10 units of blood per patient.

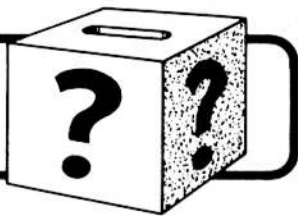
The Bloodmobile will be at its usual location on the Turnpike in Oak Ridge at the National Guard Armory.

See you there April 16 or April 17.

Next Issue

The next issue will be dated April 17. The deadline is April 9.

QUESTION BOX



(Continued from page 1)

20 openings - no one with needed skills available (13 of these were technical jobs)

2 openings - bid was cancelled

14 openings still in process.

There has been only one laboratory aide opening since July 1. It was posted, there were three eligible bidders, and one was awarded the job.

There have been two library assistant openings. There were no applications when the first one was posted. There were three eligible applications for the second opening. None of the three had the minimum training, experience, or job knowledge required and specified on the job listing. The opening was filled by a new hire.

QUESTION: Why isn't equal and fair treatment exercised at HNL concerning the heating situation? In my office the (nonadjustable) thermostat has been set at 68°F. When it is very cold outside, I nearly freeze. I had a portable heater, but when the drive for "energy conservation" started, my heater was confiscated. Right around the corner from me in my boss's office; the secretary has a large electric heater which she can plug in at will to supplement the central heat. I feel that this is unfair. We should all stay warm, or all freeze together.

ANSWER: HNL's policy is to issue portable heaters in cases where they are approved by the Health Division because of health problems, also, where building heating systems are not able to maintain a temperature at 68°F. This is in line with Federal Property Management Regulations under which we operate. We admit, however, that we have not been completely successful in enforcing this policy and that there are some violations because of a lack of cooperation on the part of some employees. We cannot be more specific in our answer without knowing the location of the heater in question. We suggest that you discuss your problem with C.E. Murphy, the Energy Conservation Officer.

QUESTION: I have seen many near traffic accidents and have been involved in a few near misses myself on Bear Creek Road at the Y-12 Plant. The vehicles run red lights on Bear Creek Road; and if there is about a two-car length space in the traffic, vehicles will pull out from the parking lots and make right turns onto Bear Creek Road when the traffic light is red. Just what is the Oak Ridge City ordinance relating to right turns on "red," and what is the penalty if caught?

Another related question has been received concerning the timing system for the traffic lights for Bear Creek Road, and in particular at the exit for the Biology and North Portals.

ANSWER: It is a violation of an Oak Ridge City ordinance and a Tennessee statute to make a turn onto

Bear Creek Road from a Y-12 parking lot when the traffic signal is red. The driver might be charged with a violation of the Tennessee statute or charged with violating a city traffic ordinance by failure to yield right-of-way or running a red light. The fine for violating a city traffic ordinance is set by the Court up to \$50 maximum fine plus Court costs.

Every effort is made to monitor and maintain the traffic lights for Bear Creek Road. The timing of these lights is checked periodically and balanced with the traffic flow.

Traffic safety and defensive driving have been emphasized in many Y-12 safety meetings and will be covered, with particular reference to his hazard, in future meetings.

QUESTION: Why don't we have a greater variety of merchandise in the Company Store? As it is now, we hardly have a variety at all. The small lead crystal toothpick holders and the hand-painted vases made in Italy were just two of the many items that were once offered and were very popular but were never restocked. This store was set up for the benefit of all employees in the plant and the cost of doing so was very high, I am sure, and I am also quite sure that all the employees appreciate this privilege, but it seems one or two individuals object to its presence and consequently the expensive display cases and shelves are empty.

ANSWER: As mentioned in an answer published February 21, 1974, UCC operates Company stores at several of their major facilities around the country as a convenience to employees. They are primarily for the purpose of selling Carbide products or merchandise made from Carbide products. We want to minimize competition with local merchants. Our inventory and variety are carefully administered under this criteria.

Items such as the ones you refer to have been available at times in the past on a "one-shot" basis (as opposed to commercial outlets) at attractive prices. If these kinds of opportunities present themselves again in the future, we will probably take advantage of them.

The four-plant Stores Committee meets quarterly to review their stock for items to be added. We do consider suggestions from employees for possible additions to the inventory; however, due to space limitations and other factors, it is not our policy to provide a complete range of general merchandise.

Editor's Note: There is quite a backlog of questions which we are attempting to answer. Many of these queries are long, and require a great deal of space. We normally give priority to those briefly stated. Those sending in questions are urged to state theirs as briefly as possible, without undue editorializing.

Payroll savings

(Continued from page 1)

"There is currently a record \$64.5 billion of savings bonds outstanding, all but \$446 million of which are Series E Bonds."

Bonds indestructible

Bonds are particularly attractive to those individuals who admit, "I can't save money." They provide a built-in, automatic device for accumulating money, and Bonds are the safest investment you can make. They are basically indestructible, registered by serial number in your name, so that they can be replaced in case of loss, fire or theft.

A minimum of 50 cents per week, or \$2 per month is the only requirement made by Payroll. Bonds may be purchased in any denomination desired, and will be mailed to the employee when enough is amassed to purchase that denomination of bond. (If your safety deposit box is crowded, the Company will store the Bonds for you, providing you with a record of their numbers.)

Becomes easier

One of the nicest things about saving through payroll deductions is that the longer you do it, the easier it becomes. After a while you begin to get that feeling, too, when the bonds start building up, that you are really investing in your own and your country's future.

"We would like to see at least 75 percent of our employees on payroll deductions," Chairman Nicol stated. "It's not too big a goal, either, it merely means adding another four thousand employees to those many already purchasing bonds."

Dig this, Daddies!

Have a health checkup once a year for your own safety and for the sake of your family, urges the American Cancer Society.

Division Deaths

Solon D. Peters, Y-12's Fabrication Division, died March 24, at his Route 5, Morton Road, Lenoir City, home. He joined Union Carbide in 1951.



Mr. Peters

Survivors include his wife, Betty Thomas Peters; sons, H. Donley, James N. and Wayne A. Peters; daughters, Sheree Peters; step-mother, Rose Peters; brothers, Ben Hull, Wesley and Eston Peters, and Carroll Price; and five grandchildren.

Funeral services were held at Mynatts Chapel with the Rev. William Booth officiating. Interment was in Tennessee Valley Memorial Gardens.

Paul E. Barker, Y-12's research services, died at a Knoxville hospital March 18.

Mr. Barker, a native of Blount County, first came to Y-12 in 1943, after working with the Gray Knox Marble Company. He worked in Y-12 until 1949, returning to Gray Knox, and hiring in again at Y-12 in 1951.



Mr. Barker

Survivors include his wife, Marie Barker, Route 12, Link Road, Knoxville; daughters, Brenda Davis, Linda Beets and Diane Barker; sons, Michael and Paul E. Jr.; his mother, Dixie Barker; a sister, Cynthia Clayton, and nine grandchildren.

Funeral services were held in the Rose Chapel, with interment in Union Cemetery.



UNION CARBIDE CORPORATION
NUCLEAR DIVISION
P. O. BOX Y, OAK RIDGE, TENNESSEE 37830

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